



# GERMAN TECHNOLOGY-GERMAN INNOVATION

Service Car Technology Vertriebs GmbH Hasenkamp. 4 22880 Wedel/Hamburg Germany

**Product information - Información del producto**  
**Produktinformation - Информация о продукте**

## RTV-Gasket Make Grey 9934

**RTV- Silikondichtstoff**  
**Formador de Juntas de Silicona RVT**  
**Formador de Junta de Silicone RVT**  
**Силиконовый герметик RVT**

**Volume: 100 g e**

( bar code: 4260610399345)

### PRODUCT DESCRIPTION

Senfineco RVT-Silicone Adhesive Sealant is a general purpose, single component, Room Temperature Vulcanizing (RTV) compound, designed for the sealing of mechanical assemblies. Upon curing from the exposure to moisture in the air, this non-sagging paste forms a tough, flexible, waterproof seal of silicone rubber, which resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

### PRODUCT BENEFITS

- Easy application and Oxygen Sensor save
- Applied to horizontal or vertical surfaces
- Superior adhesion and flexibility
- Non-flammable , Non-toxic, Low-odour
- Waterproofs , Insulates
- Unaffected by vibration

### TYPICAL APPLICATIONS

Senfineco RVT- Clear Silicone Adhesive Sealant is an excellent all-purpose adhesive/sealant for the following materials:

- Metal; - Glass;- Wood; - Plastic; - Silicone resin
- Vulcanized silicone rubber; - Ceramics
- Natural and synthetic fibers; - Painted surfaces

### Bonds, seals, repairs, mends and secures:

- Lens housings; - Windshields (not for installation)
- Windows; - Door frames; - Vinyl tops - Housings and covers;

### DIRECTIONS FOR USE

#### For Assembly

1. Remove all previous material from mating surfaces. Senfineco Gasket Remover is recommended for most materials, not for plastics or painted surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent, such as Senfineco 9994 Brake and Parts Cleaner.
3. Cut nozzle to desired bead size, 1/16" to 1/4" in diameter. A 1/8" bead is usually sufficient for most applications and attach extension nozzle.
4. Apply a continuous and even bead of silicone to one surface.
5. Assemble parts immediately while silicone is still wet. Secure or tighten as required, avoiding excessive squeeze-out.
6. Pressure should be applied to parts for 24 hours until the silicone is fully cured.

### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container



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## PRODUCT DESCRIPTION

SENFINECO RTV Silicone provides the following product characteristics:

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| <b>Technology</b>           | Silicone                                                           |
| <b>Chemical Type</b>        | Oxime silicone                                                     |
| <b>Appearance (uncured)</b> | Grey paste                                                         |
| <b>Components</b>           | One component - requires no mixing                                 |
| <b>Thixotropic</b>          | Reduced migration of liquid product after application to substrate |
| <b>Cure</b>                 | Room temperature vulcanizing (RTV)                                 |
| <b>Application</b>          | Sealing                                                            |
| <b>Specific Benefit</b>     | Non-corrosive                                                      |

SENFINECO RTV Silicone is designed primarily for high temperature application with excellent oil resistance on rigid flange sealing for example on transmissions and cast metal housings.

## TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 20 °C 1.45

Flash Point - See MSDS

Extrusion Rate, g/min:

Pressure 0.62 MPa, time 15 seconds, temperature 25 °C:

Semco Cartridge  $\geq 200$ <sup>LMS</sup>

## TYPICAL CURING PERFORMANCE

### Surface Cure

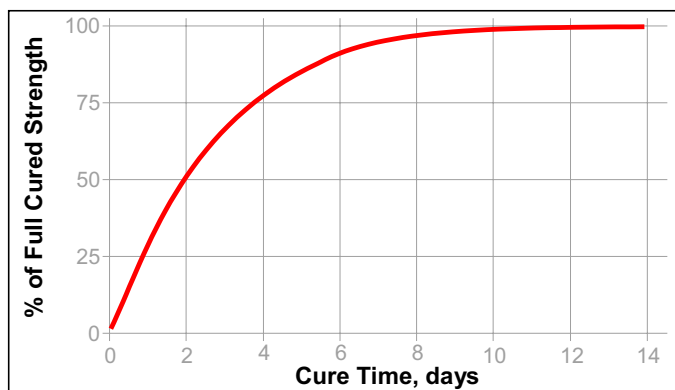
Tack Free Time is the time required to achieve a tack free surface

Tack Free Time, minutes:

Cured @ 25 °C / 50±5 % RH  $\leq 30$ <sup>LMS</sup>

### Cure Speed

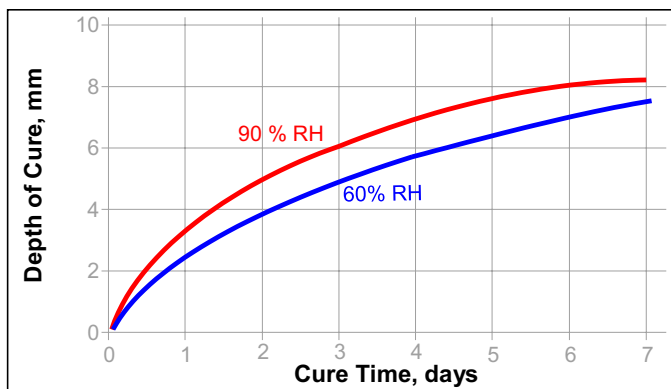
The graph below shows shear strength developed with time on grit blasted mild steel lapshears at a bond gap of 0.5 mm. Cure condition 23±2 °C, 60±5% RH. Strength is determined according to ISO 4587



## Depth of Cure

The depth of cure depends on temperature and humidity. Depth of cure was measured on strip pulled from a ramped PTFE mold (maximum depth 10 mm).

The graph below shows the increase in depth of cure with time at 23°C with increase in humidity.



## TYPICAL PROPERTIES OF CURED MATERIAL

Cured for 1 week @ 25 °C / 50±5 % RH

### Physical Properties:

Shore Hardness, ISO 868, Durometer A Elongation, ISO 37, %

45 to 75<sup>LMS</sup>  
 $\geq 100$ <sup>LMS</sup>

Tensile Strength, ISO 37

N/mm<sup>2</sup>  $\geq 2.4$ <sup>LMS</sup>  
(psi) ( $\geq 348$ )

### Electrical Properties:

Surface Resistivity, IEC 60093,  $\Omega \cdot 2 \times 10^{15}$

Volume Resistivity, IEC 60093,  $\Omega \cdot \text{cm} - 2 \times 10^{15}$  Dielectric

Constant / Dissipation Factor, IEC 60250:

100Hz - 2.8

10 kHz - 4.0

10 MHz - 4.1

## TYPICAL PERFORMANCE OF CURED MATERIAL

### Adhesive Properties

After 14 days @ 23 °C / 60±5% RH and 0.5 mm gap

Lap Shear Strength, ISO 4587:

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Aluminum                  | N/mm <sup>2</sup> 0.1 to 0.7<br>(psi) (15 to 102)  |
| Zinc dichromate           | N/mm <sup>2</sup> 0.7 to 1.5<br>(psi) (102 to 213) |
| Mild steel (grit blasted) | N/mm <sup>2</sup> 1.3 to 2.1<br>(psi) (189 to 305) |
| Aluminum (abraded)        | N/mm <sup>2</sup> 1.3 to 2.0<br>(psi) (189 to 290) |



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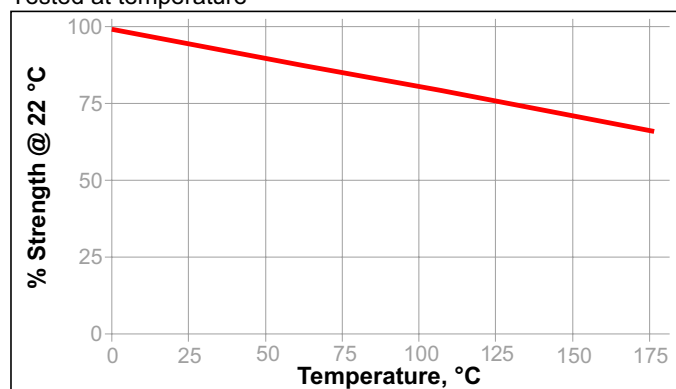
Hasenkamp. 4 22880 Wedel/Hamburg Germany

## TYPICAL ENVIRONMENTAL RESISTANCE

Cured for 14 days @ 23 °C / 60±5% RH  
Lap Shear Strength, ISO 4587:  
Mild steel (grit blasted)

### Hot Strength

Tested at temperature



## Chemical/Solvent Resistance

Aged under conditions indicated and tested @ 22 °C.

| Environment                           | °C  | % of initial strength |       |        |
|---------------------------------------|-----|-----------------------|-------|--------|
|                                       |     | 100 h                 | 500 h | 1000 h |
| Multi-grade                           | 120 | 95                    | 95    | 90     |
| Multi-grade                           | 150 | 80                    | 80    | 75     |
| ATF (Dextron II oil)                  | 120 | 70                    | 85    | 75     |
| ATF (Dextron II oil) - Japanese Grade | 150 | 75                    | 65    | 35     |
| Water/glycol 50/50                    | 100 | 85                    | 90    | 65     |

## GENERAL INFORMATION

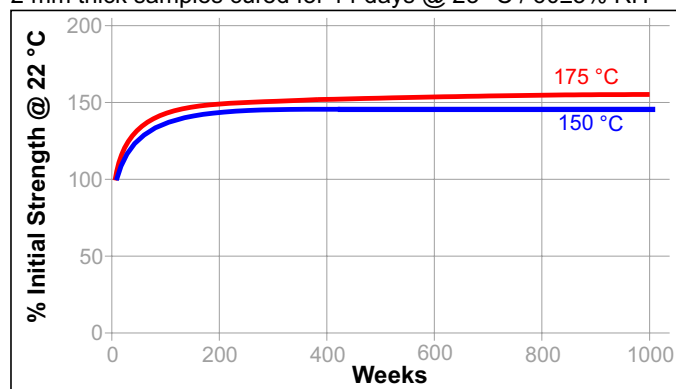
This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

NOTE: This product is not recommended for contact with gasoline.

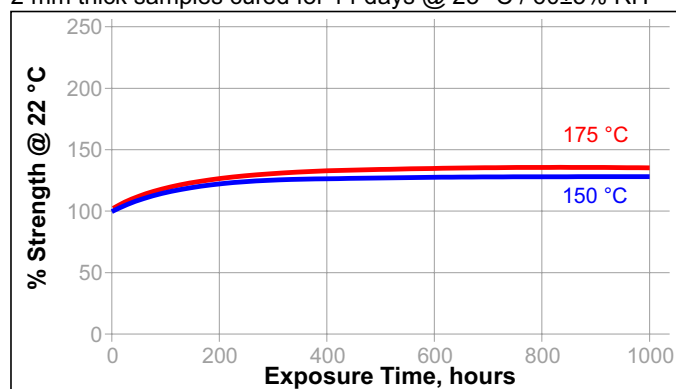
## Heat Aging

Aged at temperature indicated and tested @ 22 °C  
2 mm thick samples cured for 14 days @ 23 °C / 60±5% RH



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